



# Guardians Of the Great Lakes



## 9<sup>th</sup> DISTRICT LOCAL NOTICE TO MARINERS 06/03 WEEKLY EDITION 2003 15 APRIL 2003

Issued by: Commander (oan)  
Ninth Coast Guard District  
1240 East Ninth Street,  
Cleveland, OH 44199-2060  
Telephone: (216) 902-6070

Numbers within brackets [ / ] refer to the LNM where information was first printed. Direct questions about this LNM to the above address. The Weekly Supplemental editions of the Local Notice to Mariners contain only information subsequent to the issue date of the Monthly edition. To ensure having complete information concerning the waterways within the Ninth Coast Guard District, consult this Monthly Edition 04/03.

\*District Nine Internet Address\* <http://www.uscg.mil/d9/www/oan>  
\*\* NIS watchstander, 24 hours a day at (703) 313-5900 \*\* \*\*Internet Address\*\* <http://www.navcen.uscg.gov/>  
Light List Reference: Commandant Publication P16502.7, VOL VII, 2002 Edition / Coast Pilot Reference: 2002 U.S. Coast Pilot 6 Great Lakes 32nd Edition

The Local Notice to Mariners is available on the Internet at <http://www.navcen.uscg.gov/lnm/d9/default.htm>. By utilizing this, the Local Notice to Mariners will be available to you 7 days in advance. You will also have links to other government agencies' web pages including the US Army Corps of Engineers and the National Ocean Service.

### REPORT DISCREPANCIES IN AIDS TO NAVIGATION TO THE NEAREST COAST GUARD UNIT

The Ninth District and all Group offices for their areas of responsibility issue a **BROADCAST NOTICE TO MARINERS**.

The following *Broadcast Notice to Mariners* have been incorporated into this week's Local Notice to Mariners:

<b>Ninth District</b>	C010-03 through C014-03	<b>Group Buffalo, NY</b>	B009-03 through B010-03
<b>Group Detroit, MI</b>	D042-03 through D050-03	<b>Group Grand Haven, MI</b>	G009-03 through G011-03
<b>Group Milwaukee, WI</b>	M019-03 through M022-03	<b>Group Sault Ste Marie, MI</b>	S035-03 through S046-03

### I. SPECIAL NOTICES since LNM 05/03

#### USACE NOTICE TO NAVIGATION INTERESTS

The following Federal Channels have conditional surveys recently completed and can be seen at the USACE Detroit District web site at <http://www.lre.usace.army.mil/OandM/o&m.html> and the USACE Buffalo District website at: <http://www.lrb.usace.army.mil/waterways/survey/2002data.html>  
Two Harbors, MI Bayfield Harbor, WI [06/03]

#### U.S. COAST PILOT 6 - 2002 (32nd) Edition - Change No. 26

Change No. 26 to the U.S. Coast Pilot 6, Great Lakes 2002 32<sup>nd</sup> Edition can be found in Enclosure (2) or at the following web address <http://critcorr.ncd.noaa.gov/>. [06/03]

#### LATEST EDITIONS, Nautical Charts and Miscellaneous Maps

The Dates of Latest Editions, Nautical Charts and Miscellaneous Maps, dated April 1, 2003, published by the National Ocean Service, is available for issue. It may be obtained free by mail from the National Aeronautical Charting Office, AVN-530, Federal Aviation Administration, 6303 Ivy Lane, Suite 400, Greenbelt MD, 20770-1479, by telephone at 1-800-638-8972 or from your local authorized nautical chart sales agent. This is a quarterly publication listing the most recent editions of nautical charts, miscellaneous maps and publications relating to navigation, weather, etc. with brief descriptions and up-to-date prices for most of the publications listed. [05/03]

#### NOAA NEW EDITION CHARTS, AVAILABILITY, AND MARINER RESPONSIBILITY

NOAA recognizes two products as official NOAA paper nautical charts. They are:

- 1) The Charts-on-Demand chart printed and distributed by OceanGrafix using print-on-demand technology. <http://www.oceangrafix.com/>, and
- 2) The traditional paper chart printed by NOAA and distributed by the Federal Aviation Administration (FAA).

NOAA Dates of Latest Edition provides notification of chart availability for both products through a listing at <http://chartmaker.ncd.noaa.gov/mcd/dole.htm>.

When NOAA releases a new edition nautical chart, OceanGrafix has the ability to distribute the Charts on Demand chart immediately. The corresponding traditional paper chart is available for distribution six to eight weeks later. Immediately upon release both versions are officially recognized to meet Federal chart carriage requirements. The mariner is responsible for keeping their charts current through application of Notice to Mariner corrections. The last Notice applied by NOAA prior to the traditional paper chart release for printing is listed at the chart lower left corner as "Corrected through NM" and "Corrected through LNM". Additionally, the last Notice to Mariners applied by NOAA to the Charts-on-Demand version of the chart is listed at the chart lower left under "Additional Corrections Through: NIMA Notice / Local Notice". Note: the Edition Date is the month and year in which the chart is printed. It is not the date of the last Notice to Mariners applied by NOAA. <http://chartmaker.ncd.noaa.gov/mcd/dole.htm> For questions contact NOAA at [help@nauticalcharts.gov](mailto:help@nauticalcharts.gov). [05/03]

### **NATIONAL TIDAL DATUM UPDATE PLANNED FOR APRIL 2003**

The National Oceanic and Atmospheric Administration, National Ocean Service (NOS) is updating the nation's tidal datums to a new National Tidal Datum Epoch (NTDE) to reflect changes in mean sea level along the nation's coast. It is the policy of NOS to consider a revised NTDE every 20-25 years in order to take into account relative sea level changes caused by global sea level change and the effects of long term local land movement due to subsidence or glacial rebound. Previous tidal Epochs were determined for periods 1924-42, 1941-59, and 1960-78. Water level measurements taken by NOS over long periods of time are used to smooth out shorter term (daily, monthly, annual) variations which help reveal long term trends. ( See the following web site for sea level trends) <http://tidesandcurrents.noaa.gov/sltrends/sltrends.shtml>). The NOS Center for Operational Oceanographic Products and Services (CO-OPS) has the responsibility for operating and maintaining the National Water Level Observation Network, comprised of 175 long term stations in the coastal ocean and Great Lakes. The tide stations are used as the primary reference for determination of tidal datums and bench mark elevations (permanent monuments with elevations referenced to tidal datums) for station locations listed on the CO-OPS web site <http://tidesandcurrents.noaa.gov/>. A significant number of these tidal bench mark information sheets will be made available on the 1983-2001 NTDE after April 21, 2003. The remaining stations, that meet NOS publication standards, will be continuously updated until the process is completed at the end of FY 2003. Information concerning the NTDE update will be posted at the above mentioned web site. For further details please contact Steve Gill at 301-713-2981 Extension 139, or [Stephen.Gill@noaa.gov](mailto:Stephen.Gill@noaa.gov). [05/03]

### **DEPARTMENT OF HOMELAND SECURITY**

The Department of Homeland Security (DHS) encourages the maritime public to report information concerning suspicious activity to their local Federal Bureau of Investigation (FBI) Joint Terrorism Task Force (JTTF) Office, [www.fbi.gov/contact/fo/fo.htm](http://www.fbi.gov/contact/fo/fo.htm), or to other appropriate authorities. Individuals can contact the DHS Watch and Warning Unit at (202) 323-3205, toll free at 1-888-585-9078, or by e-mail to [NIPC.WATCH@FBI.GOV](mailto:NIPC.WATCH@FBI.GOV). The U.S. Coast Guard reminds the maritime industry that they may also report information concerning suspicious activity to the National Response Center (NRC) at 1-800-424-8802. [04/03]

### **NINTH DISTRICT 2003 AIDS TO NAVIGATION COMMISSIONING SCHEDULE**

This schedule is based on current cutter schedules and only covers generic areas. Please see the Light List for individual dates and do not hesitate to call or write with your concerns.

Detroit River March 21 - May 21	Lake Superior March 21 - May 28	Chicago, IL April 1	Holland, MI April 14
Green Bay/Sturgeon Bay April 14-May 15	Minnesota/Ontario Border Lakes May 7	Cleveland, OH May 7	Mackinaw City, MI May 1
Lake Erie March 21 - May 28	Straits of Mackinac April 14 - May 14	Detroit, MI May 14	Marquette, MI May 7
Lake Huron April 14 - May 15	St Clair River 21 March - 21 May	Duluth, MN April 28	Milwaukee, WI April 15
Lake Michigan Mar 21 - May 25	St Marys River April 14 to May 14	Erie, PA May 7	Saginaw, MI April 21
Lake Ontario May 1 - May 21	Ashtabula, OH May 7	Grand Haven, MI May 1	Sault Ste. Marie, MI April 14
Lake St Clair March 21 - May 21	Buffalo, NY May 7	Green Bay, WI May 14	Toledo, OH April 14
Traverse City, MI April 14 - May 14			

The U.S. Coast Guard will provide information concerning the commissioning of lighted floating aids in the Great Lake's critical waterways. This information will be provided only upon request. For the St. Mary's River, contact: SOO CONTROL - Commander, U.S. Coast Guard Group Sault Ste. Marie, Sault Ste. Marie, MI, 49783-9501 (906) 635-3232. For the East Outer Channel, Detroit River, Lake St. Clair Main Channel and the St. Clair River contact: SARNIA TRAFFIC - Coast Guard Traffic Centre Sarnia, 105 Christina St. South, PO Box 2778, Sarnia, Ontario N7T 7W1, (519) 337-6360. [01/03]

### **DGPS OFF-AIR APPROVAL - PICKFORD, MI DGPS Site**

Off airtime is approved for Pickford, MI DGPS site to perform a groom on the site. Off airtime is authorized for 18 April 2003 from 1300Z-1500Z. Alternate date and time is 19 April 2003 from 1300Z to 1500Z. [02/03]

### **DGPS OFF-AIR APPROVAL - PINE RIVER, MN DGPS Site**

Off airtime is approved for Pine River, MN DGPS site to perform scheduled preventative maintenance. Off airtime is authorized for 24 April 2003 from 1400Z-1600Z. Alternate date and time is 25 April 2003 from 1400Z to 1600Z. [04/03]

### **DGPS OFF-AIR APPROVAL - DETROIT, MI DGPS Site**

Off airtime is approved for Detroit, MI DGPS site to perform scheduled preventative maintenance and grooming. Off airtime is authorized for 29 April 2003 from 1400Z-1600Z. Alternate date and time is 01 May 2003 from 1400Z to 1600Z. [06/03]

### **DETROIT RIVER/ST CLAIR RIVER - Ice Conditions**

1. Due to the existing severe ice condition in the Group Detroit Area of Responsibility and the threat it poses to mariners and the port, special measures are necessary. All tugs and barges intending to transit through the Group Detroit Area of Responsibility (including the U.S. waters in Lake Erie, the Detroit- St Clair River corridor, lower Lake Huron, and Saginaw Bay) must give advance notice six hours prior to the scheduled dock departure or entrance into the Group Detroit Area of Responsibility.
2. These same vessels must also file a transit plan with the cognizant U.S. Coast Guard Captain of the Port. This transit plan shall include detailed information on the tug and barge, the Master's experience, and voyage plans. A form for submitting this plan may be obtained from the cognizant Captain of the Port or the Group Detroit Operations Center. Plans submitted for review should demonstrate a high level of confidence that a safe transit through each COTP zone is likely to occur within the confines of the vessel and crew capabilities. A Captain of the Port decision will be made based on the submission of the faxed tug and barge transit plan.
3. The requirements still remain for vessels to inform Sarnia Traffic in advance of their proposed transit and to arrange for ice breaking support.
4. This system will remain in effect until the present ice condition abates.[01/03]

### **DETROIT RIVER - Livingstone Channel and Amherstburg Channel - Transiting Instructions - Chart 14848**

Winter navigation rules are no longer in effect for the Livingstone Channel. IAW provisions of 33,CFR, 162.134(A), the Livingstone Channel, west of Bois Blanc Island, is restricted to down bound vessels. The Amherstburg Channel is open to up bound navigation. [05/03]

### **LAKE MICHIGAN - PORT WASHINGTON TO WAUKEGAN (LORAN C) - Chart 14904**

Prairie Harbor Entrance North Pier Light 1, LLNR 20413 (private aid) has been rebuilt and relocated. The contractor has failed to provide the new position for Light 1. Mariners are advised that Light 1 has been relighted but is no longer in its original position as listed in the Light List or on the Chart. The new position will be advertised as soon as it is provided. [05/03]

### **LAKE MICHIGAN - PORT WASHINGTON TO WAUKEGAN (LORAN C) - Chart 14904**

Prairie Harbor Entrance North Pier Light 2, LLNR 20412 (private aid) has been rebuilt and relocated. The contractor has failed to provide the new position for Light 2. Mariners are advised that Light 2 has been relighted but is no longer in its original position as listed in the Light List or on the Chart. The new position will be advertised as soon as it is provided. [04/03]

### **LAKE MICHIGAN – Operation OILCAN – Ice breaking operations**

1. Coast Guard Group Milwaukee has commenced icebreaking operations on Lake Michigan under operation OILCAN. To facilitate these operations, vessels entering Green Bay are requested to provide a minimum six-hour advance notice of estimated arrival to Rock Island Pass. Vessels departing Green Bay are requested to provide estimated time of departure from port.

A. Mariners should provide an update whenever previously reported estimated arrival or departure times change by more than two hours.

B. Reports should be made to Group Milwaukee via VHF-FM CH 22 or phone at (414) 747-7182.

C. The Coast Guard will evaluate requests for icebreaking assistance based on the nature of the situation as well as the availability and adequacy of commercial icebreaking resources. If such commercial icebreakers are both available and adequate, they are to be used. If not, federal icebreakers may be dispatched to assist as appropriate.

2. Mariners are requested to avoid transiting south in the bay of Green Bay below a line drawn from Sherwood Point LT to the Peshtigo Reef LT. This is important to reducing the danger to recreational ice users of the lower bay. Mariners desiring to pass south of this line should contact Group Milwaukee for further information.

[01/03]

### **LAKE MICHIGAN to LAKE SUPERIOR – Operation TACONITE – Ice breaking operations**

1. Group Sault Ste Marie has commenced operation Taconite.

A. To enhance coordination of ice breaking, all vessels are to provide a minimum 8-hour Advance notice of arrival for down bound Whitefish Point, up bound Detour Reef LT, eastbound Lansing Shoal LT, westbound Round Island.

B. Mariners should provide an update whenever an estimated arrival time changes by more than two hours.

C. Reports should be passed to Group Sault Ste Marie.

D. When arrival is reported/updated, Group Sault Ste Marie will provide name of the Icebreaker serving that area. Mariners are requested to contact Coast Guard Group Sault Ste Marie approximately one hour before reaching the western Superior ports.

2. St Mary's River winter reporting points are in effect.

3. Communication and cooperation will be the key to safely and efficiently moving commerce through the St. Mary's River and Straits of Mackinac. [01/03]

### **ST MARYS RIVER - DE TOUR PASSAGE TO MUNUSCONG LAKE – Waterways Opening**

In accordance with 33 CFR 162.117 Captain of the Port Sault Ste Marie reopened Pipe Island North and East Channels effective 0800 LOCAL 12 APR 2003. [06/03]

### **GRAYS REEF PASSAGE – CLOSED WATERWAYS**

In accordance with 33 CFR 165.901 Captain of the Port Sault Ste. Marie will keep Grays Reef Passage closed to navigation until further notice due to changes in weather and ice conditions. Supersedes [01/03]. [05/03]

## **II. DISCREPANCIES IN AIDS TO NAVIGATION as of 1000 April 15, 2003**

This section lists all changes to discrepancies since Local Notice to Mariners 05/03. The following abbreviations are used:

B	Buoy	BKW	Breakwater	(C)	Canadian Aid
CH	Channel	DAM	Damaged	DAYBD	Dayboard
DBN	Daybeacon	DECOM	Decommissioned	DISCON	Discontinued
ENT	Entrance	ESTB	Established	EXT	Extinguished
FS	Fog Signal	HBR	Harbor	IMCH	Improper Characteristic
INOP	Inoperative	JCT	Junction	LB	Lighted Buoy
LBB	Lighted Bell Buoy	LGB	Lighted Gong Buoy	LHB	Lighted Horn Buoy
LIB	Lighted Ice Buoy	LT	Light	LWP	Left Watching Properly
OBST	Obstruction	OFFSTA	Off Station	(P)	Private Aid
PARSUB	Partially Submerged	PAROBSC	Partially Obscured	PHD	Pierhead
RBN	Radiobeacon	RAC	Racon	DIM	Reduced Intensity
RELDRG	Relocated for dredging	RELSHL	Relocated for Shoaling	RELCON	Relocated for Construction
RF	Range Front	RPTD	Reported	RR	Range Rear
(SLS)	St. Lawrence Seaway Devel Corp	SND CONT	Sounding Continuously	TRUB	Temp Replaced Unlighted Buoy
TRLB	Temp Replaced Lighted Buoy	TRLT	Temp Replaced Light	W/M	Winter Mark

#### **A. RECENT DISCREPANCIES**

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNM Ref.
2090	OSWEGO HARBOR INNER BUOY 1	OFFSTA	14813		06/03
2097	OSWEGO HARBOR INNER BUOY 4	OFFSTA	14813		06/03
2680	BUFFALO HARBOR LIGHT	FS IMCH	14833		06/03
4030	CLEVELAND WATERWORKS INTK CRIB LT (P)	FS IMCH	14826	D045-03	06/03
6030	TOLEDO HARBOR LIGHT	FS INOP	14847	D047-03	06/03
18145	MISSION POINT LIGHT	LT EXT	14913	S038-03	06/03
21150	STURGEON BAY SHIP CANAL BUOY 19	OFFSTA	14919	M022-03	06/03

#### **B. DISCREPANCIES CORRECTED**

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNM Ref.
4035	CLEVELAND INTAKE LIGHTED BUOY (P)	RESET ON STATION	14826	D417-02	41/02
6900	EAST OUTER CHANNEL LIGHTED BUOY 2	LWP	14830	D012-03	01/03
10085	LAKE HURON CUT LIGHTED BUOY 11	LWP	14862	D026-03	03/03
10090	LAKE HURON CUT LIGHTED BUOY 12	LWP	14862	D027-03	03/03
11730	SPECTACLE REEF LIGHT	LWP	14881	S006-03	01/03
19060	GRAND RIVER LIGHTED BUOY 16A	LWP	14933		05/03

### III. TEMPORARY CHANGES IN AIDS TO NAVIGATION as of 1000, April 15, 2003

#### A. TEMPORARY CHANGES

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNM Ref.
6450	LUNA PIER MARINA BREAKWATER LT 1	DISCONTINUED	14846	D224-01	23/01
6455	LUNA PIER MARINA BREAKWATER LT 2	DISCONTINUED	14846	D224-01	23/01
7750	MAMAJUDA LT	DISCONTINUED	14848	D020-97	15/97
10070	LAKE HURON CUT LIGHTED BUOY 8	DISCONTINUED	14862	D042-03	05/03
14155	LITTLE RAPIDS CUT LIGHTED BUOY 105	REMOVED DUE TO ICE	14883	S017-02	01/03
14540	LITTLE LAKE HARBOR LIGHT 2	DISCONTINUED	14962	S046-03	06/03
17079.1	FOUR MILE BAY B 7	ESTABLISHED	14999		12/02
18290	DUNCAN L CLINCH YACHT HARBOR LT	DISCONTINUED	14913	S-144-02	31/02
19051	GRAND RIVER B 15A	ESTABLISHED	14933		05/02
19556	MICHIGAN CITY CH B 04	ESTABLISHED	14905	G018-02	07/02
19557	MICHIGAN CITY CH B 06	ESTABLISHED	14905	G018-02	07/02
21591	LITTLE FISHDAM RIVER ACCESS LT	DISCONTINUED	14908	M050-01	09/02
21791	CEDAR RIVER ENT B 2A	ESTABLISHED	14909		09/02
21792	CEDAR RIVER ENT B 2B	ESTABLISHED	14909		09/02

#### B. RECENT TEMPORARY CHANGES CORRECTIONS

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNM Ref.
8280	SCOTT MIDDLE GROUND LOWER JCT B	LWP	14848	D023-03	01/03
10070	LAKE HURON CUT LIGHTED BUOY 8	LWP	14862	D042-03	05/03

### IV. CHART CORRECTIONS since LNM 05/03

Corrective action affecting charts is contained in this section. Chart corrections are listed numerically by chart number. The correction listed pertains to that chart only. It is up to the mariner to decide what charts are to be corrected. The following example explains the individual elements of a typical correction.

Chart number	Chart edition	Edition date	Last Local Notice to Mariners	Reference datum	Source Agency of correction	Current Notice to Mariners
14922	17th ed.	4/25/92	Last LNM 12/93	NAD 83	(CGD9)	17/93
	<b>MANITOWOC AND SHEBOYGAN HARBORS</b>					
	Change	Manitowoc South Breakwater Light to "3" Fl G 2.5s, 37ft 8 St M			44°05'29.00"N	087°38'37.00"W
	Corrective action	Object of corrective action			Position	

The letter (M) immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. (Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000° true. Bearings of light sectors are toward the light from lakeward.

14800	9th ed.	10/30/99	Last LNM 06/02	NAD 83	(CGD9)	06/03
	<b>LAKE ONTARIO (LORAN C)</b>					
	Should read: Braddock Pt Lt Iso W 6s 55ft 15 St M:				43°20'28.30"N	077°45'45.50"W
14803	26th ed.	1/31/98	Last LNM 35/02	NAD 83	(CGD9)	06/03
	<b>SIX MILES SOUTH OF STONY POINT TO PORT BAY (LORAN C)</b>					
	Should read: BUFFALO HBR LT Al WG 10s 71ft 22 St M HORN:				42°52'14.20"N	078°54'09.19"W
14804	24th ed.	2/23/02	Last LNM 05/03	NAD 83	(CGD9)	06/03
	<b>PORT BAY TO LONG POND (LORAN C)</b>					
	<b>Insets: Port Bay Harbor, New York</b>					
	<b>Irondequoit Bay, New York</b>					
	Should read: Rochester Harbor Lt Fl 4s 40ft 13 St M:				43°15'49.77"N	077°35'57.37"W
14805	23rd ed.	3/4/95	Last LNM 01/03	NAD 83	(CGD9)	06/03
	<b>LONG POND TO THIRTYMILE POINT (LORAN C)</b>					
	Should read: Braddock Pt Lt Iso W 6s 55ft 15 St M:				43°20'28.30"N	077°45'45.50"W
14820	19th ed.	01/03	Last LNM 01/03	NAD 83	(CGD9)	06/03
	<b>LAKE ERIE (LORAN C)</b>					
	Should read: BUFFALO HBR LT Al WG 10s 71ft 22 St M HORN:				42°52'14.20"N	078°54'09.19"W
	Sandusky BKW LT Oc 4s 30ft 17 St M HORN:				41°29'57.15"N	082°40'28.88"W
14822	30th ed.	8/28/99	Last LNM 01/03	NAD 83	(CGD9)	06/03
	<b>APPROACHES TO NIAGARA RIVER AND WELLAND CANAL (LORAN C)</b>					
	Should read: BUFFALO HBR LT Al WG 10s 71ft 22 St M HORN:				42°52'14.20"N	078°54'09.19"W
	N ENTR LT Fl G 2.5s 34ft 6 St M "5":				42°52'35.32"N	078°53'53.62"W
	N ENTR LT Fl R 2.5s 34ft 6 St M "6":				42°52'26.76"N	078°53'46.03"W
	N ENTR LT Fl G 2.5s 20 ft 7 St M "7":				42°52'49.46"N	078°53'45.56"W

14826	27th ed. 11/02 <b>MOSS POINT TO VERMILION (LORAN C)</b> Insets: <b>Beaver Creek, Ohio</b> <b>Vermilion Harbor, Ohio</b> <b>Rocky River, Ohio</b> Should read: Fl G 4s 31ft 5 St M "1":	Last LNM 41/02 NAD 83	(CGD9)	06/03	41°29'45.90"N 081°43'45.67"W
14830	29th ed. 6/23/01 <b>WEST END OF LAKE ERIE (LORAN C)</b> Insets: <b>Port Clinton, Ohio</b> <b>Monroe Harbor, Michigan</b> Should read: "5" Fl G 4s 25ft 5 St M: Sandusky BKW LT Oc 4s 30ft 17 St M HORN: MAUMEE BAY ENT LT Fl R 2.5s 44ft 13 St M "2" HORN RACON(- -):	Last LNM 41/02 NAD 83	(CGD9)	06/03	41°24'01.83"N 41°29'57.15"N 41°49'31.92N 082°32'43.06"W 082°40'28.88"W 083°11'36.72"W
14832	34th ed. 10/02 <b>UPPER NIAGARA RIVER</b> Should read: BUFFALO HBR LT Al WG 10s 71ft 22 St M HORN: N ENTR LT Fl G 2.5s 34ft 6 St M "5": N ENTR LT Fl R 2.5s 34ft 6 St M "6": N ENTR LT Fl G 2.5s 20 ft 7 St M "7":	Last LNM 01/03 NAD 83	(CGD9)	06/03	42°52'14.20"N 42°52'35.32"N 42°52'26.76"N 42°52'49.46"N 078°54'09.19"W 078°53'53.62"W 078°53'46.03"W 078°53'45.56"W
14833	25th ed. 5/24/97 <b>BUFFALO HARBOR</b> Should read: BUFFALO HBR LT Al WG 10s 71ft 22 St M HORN: N ENTR LT Fl G 2.5s 34ft 6 St M "5": N ENTR LT Fl R 2.5s 34ft 6 St M "6": N ENTR LT Fl G 2.5s 20 ft 7 St M "7":	Last LNM 13/02 NAD 83	(CGD9)	06/03	42°52'14.20"N 42°52'35.32"N 42°52'26.76"N 42°52'49.46"N 078°54'09.19"W 078°53'53.62"W 078°53'46.03"W 078°53'45.56"W
14839	36th ed. 12/02 <b>CLEVELAND HARBOR, Including Lower Cuyahoga River</b> Should read: Fl G 4s 31ft 5 St M "1":	Last LNM 01/03 NAD 83	(CGD9)	06/03	41°29'45.90"N 081°43'45.67"W
14842	12th ed. 6/23/01 <b>(SC) SOUTH SHORE OF LAKE ERIE FROM PORT CLINTON TO SANDUSKY</b> Should read: Sandusky BKW LT Oc 4s 30ft 17 St M HORN:	Last LNM 02/03 NAD 83	(CGD9)	06/03	41°29'57.15"N 082°40'28.88"W
14843	22nd ed. 6/6/92 <b>HURON HARBOR</b> Should read: "5" Fl G 4s 25ft 5 St M:	Last LNM 40/02 NAD 83	(CGD9)	06/03	41°24'01.83"N 082°32'43.06"W
14844	31st ed. 1/06/01 <b>ISLANDS IN LAKE ERIE, Including Sandusky Bay</b> Inset: <b>Put-In-Bay, Ohio</b> Should read: Sandusky BKW LT Oc 4s 30ft 17 St M HORN:	Last LNM 02/03 NAD 83	(CGD9)	06/03	41°29'57.15"N 082°40'28.88"W
14845	26th ed. 1/18/97 <b>SANDUSKY HARBOR</b> Should read: Sandusky BKW LT Oc 4s 30ft 17 St M HORN:	Last LNM 02/03 NAD 83	(CGD9)	06/03	41°29'57.15"N 082°40'28.88"W
14846	11th ed. 3/17/01 <b>WEST END OF LAKE ERIE</b> Should read: "5" Fl G 4s 25ft 5 St M: Sandusky BKW LT Oc 4s 30ft 17 St M HORN:	Last LNM 41/02 NAD 83	(CGD9)	06/03	41°24'01.83"N 41°29'57.15"N 082°32'43.06"W 082°40'28.88"W
14847	30th ed. 10/30/99 <b>TOLEDO HARBOR</b> Inset: <b>Entrance Channel</b> Should read: MAUMEE BAY ENT LT Fl R 2.5s 44ft 13 St M "2" HORN RACON(- -):	Last LNM 28/02 NAD 83	(CGD9)	06/03	41°49'31.92N 083°11'36.72"W
14848	56th ed. 11/10/01 <b>DETROIT RIVER</b> Should read: WILLIAM LIVINGSTONE MEMORIAL LT Oc 4s 58ft 14 St M:	Last LNM 05/03 NAD 83	(CGD9)	06/03	42°20'49.13"N 082°57'15.81"W
14850	51st ed. 02/23/02 <b>LAKE ST. CLAIR (LORAN C)</b> Change <a href="#">Tabulation</a> - ST. CLAIR RIVER CHANNEL DEPTHS centered at:	Last LNM 01/03 NAD 83	(NOS NW 6478)	06/03	42°36'00.00"N 082°25'00.00"W
14852	45th ed. 02/03 <b>ST. CLAIR RIVER</b> Change <a href="#">Tabulation</a> - ST. CLAIR RIVER CHANNEL DEPTHS centered at:	Last LNM 05/03 NAD 83	(NOS NW 6478)	06/03	42°38'22.00"N 082°34'22.00"W
14853	13th ed. 12/01/01 <b>(SC) DETROIT RIVER, LAKE ST. CLAIR AND ST. CLAIR RIVER (PAGE 37)</b> Change <a href="#">Tabulation</a> - ST. CLAIR RIVER CHANNEL DEPTHS centered at:	Last LNM 05/03 NAD 83	(NOS NW 6478)	06/03	42°45'00.00"N 082°38'00.00"W
14853	13th ed. 12/01/01 <b>(SC) DETROIT RIVER, LAKE ST. CLAIR AND ST. CLAIR RIVER</b> Should read: WILLIAM LIVINGSTONE MEMORIAL LT Oc 4s 58ft 14 St M:	Last LNM 05/03 NAD 83	(CGD9)	06/03	42°20'49.13"N 082°57'15.81"W



<b>14860</b>	35th ed. 12/08/01 <b>LAKE HURON (LORAN C)</b> Should read: HARBOR BEACH LT Al WR 10s 54ft 14 St M HORN: TAWAS LT Oc 4s 70ft 16 St M HORN:	Last LNM 10/02 NAD 83	(CGD9)	06/03
			43°50'44.30"N 44°15'13.41"N	082°37'53.10"W 083°26'58.35"W
<b>14862</b>	28th ed. 4/13/02 <b>MI - LAKE HURON - PORT HURON TO PTE. AUX BARQUES (LORAN C)</b> Insets: Harbor Beach, Michigan Port Sanilac Harbor, Michigan Should read: HARBOR BEACH LT Al WR 10s 54ft 14 St M HORN:	Last LNM 01/03 NAD 83	(CGD9)	06/03
			43°50'44.30"N	082°37'53.10"W
<b>14863</b>	30th ed. 10/20/01 <b>SAGINAW BAY (LORAN C)</b> Insets: Caseville Harbor, Michigan Port Austin, Michigan Should read: TAWAS LT Oc 4s 70ft 16 St M HORN:	Last LNM 40/02 NAD 83	(CGD9)	06/03
			44°15'13.41"N	083°26'58.35"W
<b>14864</b>	25th ed. 2/11/95 <b>HARRISVILLE TO FORTY MILE POINT (LORAN C)</b> Should read: Al GW 20s 63ft 18 St M: Fl 10s 78ft 18 St M: F G 18ft:	Last LNM 22/02 NAD 83	(CGD9)	06/03
			45°02'14.17"N 45°11'35.47"N 45°20'16.45"N	083°11'39.33"W 083°19'15.70"W 083°29'24.92"W
<b>14886</b>	10th ed. 3/1/97 <b>(SC) MICHIGAN INLAND ROUTE, CHEYBOGAN TO CONWAY</b> Change symbol to red triangle:	Last LNM 01/02 NAD 83	(CGD9)	06/03
			45°26'52.00"N	084°34'52.00"W

## **V. ADVANCE NOTICE OF CHANGES TO AIDS TO NAVIGATION since LNM 01/02**

### **LAKE HURON - Nordmeer Wreck Lighted Buoy WR1 - Change to the Authorized Hull - Charts 14869, 14864**

Change the authorized hull of Nordmeer Wreck Lighted Buoy WR1 (LLNR-11505) from a 9x32 to an 8x26. The light intensity and RACON will not change. [27/02]

## **VI. PROPOSED CHANGES IN AIDS TO NAVIGATION since LNM 28/02**

### **LAKE MICHIGAN - Vicinity of Chicago - Chart 14926**

The Coast Guard is proposing to establish a Lighted Buoy marking the northwest end of Morgan Shoal. [28/02]

### **Lake Huron - Stoneport Approach Buoy 1 - Chart 14864**

The Coast Guard is planning to disestablish Stoneport Approach Buoy 1. [02/03]

## **VII. GENERAL NOTICES**

### **NY STATE BARGE CANAL – NY – Erie Canal, Tonawanda, NY – Bridge Maintenance, Chart 14822**

Painting work will take place on the Bear Ridge Road (Pickard) bridge (E-242) at mile 333.4 over the Erie Canal on the New York State Barge Canal near Tonawanda, NY, between April 16 and April 26, 2003. Paint containment will be placed under the bridge but a vertical clearance of 15'6" will be maintained. [06/03]

### **LAKE ERIE – Cleveland, OH – Advance Notice – Chart 14839**

Mariners are advised that a 30-minute advance notice is required prior to passing the CSX Bridge at Mile 4.75 over the Cuyahoga River between the hours of 0900 and 1400 on Wednesday, April 16, 2003, for scheduled repairs. Mariners may contact the bridge at (216) 833-6878, or the railroad yard office at (216) 566-9362, to provide advance notice. [06/03]

### **LAKE MICHIGAN – Michigan City, IN – Hydraulic Dredging – Chart 14926**

TNT Dredging, Inc. has commenced hydraulic dredging operations in Michigan City, IN. Operations are 24 hours a day, 7 days a week until April 30, 2003. The vessel COURTNEY E will be onscene and can be contacted via channels 16 and 71 VHF-FM. Mariners are requested to pay special attention to the submerged pipeline, buoys, and required day and night shapes on dredge. For further information, contact Cathy McCoy at (616) 949-4777 or in the evenings at (616) 698-6596. Supersedes 03/03. [06/03]

### **LAKE MICHIGAN – IL – Calumet Harbor, Cal-Sag Channel, Bridge Maintenance-Clearance Reduction, Chart 14929**

Contractors will be constructing caissons for the new Tri-State Tollway (I-294) bridge at mile 17.35 over Cal-Sag Channel in Cook County, IL, between April 11 and June 13, 2003. Work barges will be placed alongside one pier at a time during this period, and may be working in the channel intermittently between the hours of 0700 and 1800, Monday through Saturday. Barges in the channel will move for passing vessels if at least 30-minutes advance notice is provided prior to intended time of passage during those hours. The barges will be pulled alongside the pier and lighted at night during non-work hours. When the barges are pulled alongside the pier, the horizontal clearance is reduced by 40 feet, but a clear channel of approximately 145 feet on centerline will be maintained. Mariners may contact "Gillen Barge #3 at Tri-Stae Tollway bridge" on VHF-FM channels 8 or 16, or call Mr. Dan Zirbel at (414) 788-4519, or Mr. Tom Miller at (414) 769-3120, to provide advance notice. [06/03]

**SUMMARY OF DREDGING/CONSTRUCTION OPERATIONS IN EFFECT**

The LNM column is where the entry originally appeared and where detailed information may be obtained. The dates listed for completions are tentative.

<b>Location</b>	<b>LNM</b>	<b>Subject</b>	<b>Hours / Days</b>	<b>Until</b>
<b><u>NY STATE BARGE CANAL</u></b>				
Tonawanda, NY	06/03	BRIDGE MAINTENANCE	24 HRS. 7 DAYS A WK	26 APR 03
<b><u>LAKE ONTARIO</u></b>				
Rochester, NY	01/02	BRIDGE CONSTRUCTION	0700-1630/ M-F	THROUGH 2003
<b><u>LAKE ERIE</u></b>				
Buffalo Harbor, NY	05/02	BRIDGE MAINTENANCE	24 HRS/ 7 DAYS A WK	THROUGH 2003
Buffalo Harbor, NY	09/02	BRIDGE MAINTENANCE	24 HRS/ 7 DAYS A WK	THROUGH 2003
Cleveland, OH	01/03	PILE DRIVING/ TRENCH EXCAVATIONS	24 HRS/ 7 DAYS A WK	15 JUN 03
Toledo, OH	14/02	BRIDGE CONSTRUCTION	24 HRS/ 7 DAYS A WK	THROUGH 2003
Toledo, OH	01/03	BRIDGE PIER REHABILITATION	24 HRS/ 7 DAYS A WK	THROUGH 2003
Lorain, OH	05/03	EAST PIER REPAIRS	0700-1800/M-SAT	30 SEPT 03
Cleveland, OH	06/03	30 MINUTE ADVACNE NOTICE	0900-1400/16 APR 03	16 APR 03
<b><u>LAKE HURON</u></b>				
Lake Huron to Lake Erie	01/03	OBSTRUCTION REMOVAL / SURVEY OPERATIONS	0700-1900/ M-F	THROUGH 2003
Saginaw River, MI	04/03	MAINTENANCE DREDGING	24 HRS/ 7 DAYS A WK	16 APR 2003
<b><u>LAKE MICHIGAN</u></b>				
Tannery Bay, MI	01/03	DREDGE SCREEN	24 HRS/ 7 DAYS A WK	01 JUN 03
Calumet Harbor, IL	19/01	VESSEL REPORTING PROCEDURES	24 HRS/ 7 DAYS A WK	THROUGH 2003
St. Joseph-Benton Harbor, MI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	1100-1600/ 03 MAY 03	03 MAY 03
St. Joseph-Benton Harbor, MI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2200-0100/ 04-05 JUL 05	05 JUL 03
St. Joseph-Benton Harbor, MI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2300-0230/ 18-19 JUL 03	19 JUL 03
Calumet, IL	34/02	BRIDGE MAINTENANCE/ REDUCED CLEARANCE	0600-1800/ 7 DAYS A WK	30 APR 03
Calumet, IL	01/03	BRIDGE MAINTENANCE/ CLEARANCE REDUCTION	24 HRS/ 7 DAYS A WK	30 NOV 03
Milwaukee, WI	BNM 10-03	BRIDGE DEMOLITION AND CONSTRUCTION	0600-1800/ M-F	THROUGH 2003
Milwaukee, WI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	1730-2330/ 30 MAY-01 JUN 03	01 JUL 03
Milwaukee, WI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2300-0100/ 26 JUN-06 JUL 03	06 JUL 03
Milwaukee, WI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	1100-1800/ 13 JUL 03	13 JUL 03
Milwaukee, WI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2200-2400/ 18-20 JUL 03	20 JUL 03
New Buffalo Harbor, MI	02/03	MAINTENANCE DREDGING	24 HRS/ 7 DAYS A WK	20 MAY 03
Racine Harbor, WI	02/03	BRIDGE CLOSURE FOR SPECIAL EVENT	0730-1030/ 21 JUN 03	21 JUN 03
Michigan City, IN	06/03	HYDRAULIC DREDGING	24 HRS/ 7 DAYS A WK	30 APR 03
Chicago, IL	03/03	BRIDGE CLOSURES FOR SPECIAL EVENTS	0830-0930/ 4 MAY 03	04 MAY 03
Chicago, IL	03/03	BRIDGE CLOSURES FOR SPECIAL EVENTS	0600-1200/ 24 AUG 03	24 AUG 03
Chicago, IL	03/03	BRIDGE CLOSURES FOR SPECIAL EVENTS	0430-1130/ 12 OCT 03	12 OCT 03
Covert Generating Company, MI	05/03	DREDGING, DIVING, AND CONSTRUCTION	24 HRS/ 7 DAYS A WK	31 JUL 03
Calumet, IL	06/03	BRIDGE MAINTENANCE	0700-1800/ M-SAT	13 JUN 03

**GREAT LAKES - GENERAL - MARINE EVENTS**

Events listed below are those events that do not have accompanying special local regulations. Mariners transiting these areas are not required to contact the U.S. Coast Guard, but are asked to exercise caution when navigating through the area of the event.

<b>Location</b>	<b>Events</b>	<b>Dates</b>	<b>Time (Local)</b>
<b><u>LAKE ERIE</u></b>			
Port Clinton, MI	In-Fisherman Professional Walleye Trail	Apr 16-18	0700-1700
Toledo, OH	North Cape Sailing School Safety at Sea Seminar	Apr 26	1000-1500
Toledo, OH	Toledo Windsurfing Championship	May 01 & 31	0800-1800
Toledo, OH	Toledo YC Mills Trophy Race	May 06-07 (Overnight)	1730-1200
Toledo, OH	Toledo YC Opening of the Port Parade	May 24	1500-1800
Vermillion, OH	Vermillion YC Fleet Parade	May 26	1400-1500
<b><u>DETROIT RIVER</u></b>			
North of Grosse Ile	Hebda Cup Rowing Regatta	Apr 26 (Rain date Apr 27)	0700-1730
Detroit, MI	Detroit YC ICSA Championship	May 07	0900-1700
Fighting Island	Fighting Island Fireworks	May 06 (Rain date May 07)	2130-2230
Detroit, MI	DYC Memorial Regatta	May 24	1000-1900
Detroit, MI	Fleet Reserve Assoc. Memorial Day Service	May 26	1100-1200
<b><u>LAKE ST. CLAIR</u></b>			
Bayview, MI	Bayview YC Sailing World One Design/ Offshore Championships	May 01 & 30-31	0800-1700
Grosse Point, MI	GPYC ICSA Championship	May 02-04	0900-1700
Crescent Sail YC, MI	CSYC ICSA Championship	May 05-07	0900-1600
Fair Haven, MI	WAL-MART RCL Walleye Circuit	May 7 & May 28-31	0700-1630
Scott Middle Ground	St. Clair YC Fleet Blessing	May 24	1400-1500
<b><u>LAKE HURON</u></b>			
Port Huron, MI	Port Huron YC Spring Series	May 01 & 25	1200-1600

**VIII. LIGHT LIST CORRECTIONS, VOL VII, 2003 GREAT LAKES since LNM 05/03**

(\* Denotes the column in which a correction has been made or new information added.)

(1) No.	(2) Name and location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
<b>*Change Heading to Read:</b>								
<b>*ILE ST. RÉGIS TO/Á CROIL ISLANDS (Chart 1433)(C)</b>								
<b>St. Lawrence Seaway</b>								
5	-Lighted Buoy 1	45 00 12 N 74 40 06 W	Fl G 4s			Green.	Spar; winter marker. S.L.S.D.C.	06/03
<b>*Delete Heading:</b>								
<b>*CROIL ISLAND TO LEISHMAN POINT (Chart 14762)</b>								
<b>St. Lawrence Seaway</b>								
310	-LIGHT 51		Fl G 4s	28 9		SG on tower.	S.L.S.D.C.	06/03
<b>*Add Heading:</b>								
<b>*CROIL ISLAND TO/Á CARDINAL (Chart 1434)(C)</b>								
<b>St. Lawrence Seaway</b>								
335	-LIGHT 57 About 125 feet outside Channel limit.		Q G	30 9		SG on tower.	S.L.S.D.C.	06/03
<b>*Delete Heading:</b>								
<b>*LEISHMAN POINT TO OGDENSBURG (Chart 14763)</b>								
<b>St. Lawrence Seaway</b>								
660	-Lighted Buoy 100 (C)	44 51 36 N 75 15 18 W	Q R			Red.	Seasonal	06/03
<b>*Add Heading:</b>								
<b>*CARDINAL TO/Á WHALEBACK SHOAL (Chart 1435)(C)</b>								
<b>St. Lawrence Seaway</b>								
840	-LIGHT 123 About 160 feet outside Channel limit.		Fl G 4s	28 9		White square daymark with green border on white pile.	S.L.S.D.C.	06/03
<b>*Delete Heading:</b>								
<b>*OGDENSBURG TO BROCKVILLE (Chart 14764)</b>								
<b>St. Lawrence Seaway</b>								
960	-Lighted Buoy 131B		Fl G 4s			Green.	Spar; winter marker. S.L.S.D.C.	06/03
<b>*Delete Heading:</b>								
<b>*HOLMES POINT TO DEER ISLAND (Chart 14765)</b>								
<b>St. Lawrence Seaway</b>								
1065	McCOY ISLAND LIGHT 141 (C)		Q G	30 9		White circular tower with black top. 20	Seasonal	06/03
<b>*Add Heading:</b>								
<b>*WHALEBACK SHOAL TO/Á SUMMERLAND GROUP (Chart 1436)(C)</b>								
<b>St. Lawrence Seaway</b>								
1225	-LIGHT 165		Fl G 4s	23 7		SG on tower on cell.	S.L.S.D.C.	06/03
<b>*Change Heading to Read:</b>								
<b>*SUMMERLAND GROUP TO/Á GRINDSTONE ISLAND (Chart 1437)(C)</b>								
<b>St. Lawrence Seaway</b>								
1325	-LIGHT 187		Fl G 4s	28 9		SG on pile.	S.L.S.D.C.	06/03
<b>*Delete Heading:</b>								
<b>*BARTLETT POINT TO CAPE VINCENT (Chart 14767)</b>								
<b>St. Lawrence Seaway</b>								
1560	-LIGHT 227 About 322 feet outside channel limit	44 14 24 N 76 06 30 W	F G	23 7		SG on tower on concrete base.	S.L.S.D.C.	06/03
<b>*Add Heading:</b>								
<b>*GRINDSTONE ISLAND TO/Á CARLETON ISLAND (Chart 1438)(C)</b>								
1565	-Buoy 228 Marks shoal.					Red nun.	S.L.S.D.C.	06/03



**\*Add Heading:**

**\*CARLETON ISLAND TO/Á CHARITY SHOAL (Chart 1439)(C)**

**\*St. Lawrence Seaway**

1680	-Lighted Buoy 241		<b>Fl G 4s</b>			Green.	S.L.S.D.C.	<b>06/03</b>
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**\*Delete Heading:**

**\*CAPE VINCENT TO ALLAN CITY SHOAL (Chart 14768)**

**\*St Lawrence Seaway**

1710	-Lighted Buoy 242		<b>Fl R 4s</b>			Red.	S.L.S.D.C.	<b>06/03</b>
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2665	-Traffic Lighted Bell Buoy B	42 50 09 N 78 55 26 W	<b>Mo (A) W</b>	8		Red and white stripes.	Maintained from Apr. 28 to Dec. 7.	<b>06/03</b>
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2975	Middle Reefs Lighted Buoy EU4 (C)		<b>Fl R 4s</b>			Red.	Seasonal. No winter mark.	<b>06/03</b>
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3325	HOOKER ELECTROCHEMICAL CRIB LIGHT		<b>Fl W 7s</b>	9 3		On post.	Maintained from Apr. 1 to Dec. 1. Private aid. *	<b>06/03</b>
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3330	HOOKER ELECTROCHEMICAL OUTFALL CRIB LIGHT	43 03 52 N 78 59 37 W	<b>Fl W 7s</b>	9 3		On post.	Maintained from Apr. 1 to Dec. 1. Private aid. *	<b>06/03</b>
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4320	- LIGHT	41 28 54 N 82 11 42 W	<b>Fl W 6s</b>	60 18	16	On tower.	HORN: 1 blast ev 30s (3s bl). Operates from Apr. 15 to Nov. 15. *	<b>06/03</b>
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4595	-Lighted Buoy 4		<b>Fl R 4s</b>	4		Red	Replaced by nun Dec. 7 to Apr. 14. *	<b>06/03</b>
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4725	- RANGE FRONT LIGHT	41 28 36 N 82 41 48 W	<b>Q G</b>	33 10	9	KRW on skeleton tower.	Higher intensity on range line only. *	<b>06/03</b>
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8575	-Buoy31				4	Green RAREF. *	Replaced by can from Dec. 21 to Mar. 28. *	<b>06/03</b>
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9825	Fawn Island Upper End Lighted Buoy 42		<b>Q R</b>		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.	<b>06/03</b>
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9875	St. Clair Middle Ground Lighted Buoy 48		<b>Q R</b>		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.	<b>06/03</b>
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9885	St. Clair Middle Ground Lighted Buoy 52		<b>Q R</b>		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.	<b>06/03</b>
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10650	-Lighted Buoy 13	43 43 00 N 83 47 38 W *	<b>Fl G 4s</b>		4	Green.	Replaced by can from Dec. 14 to Apr. 21.	<b>06/03</b>
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10685	-Lighted Buoy 20	43 40 23 N 83 49 55 W *	<b>Fl R 4s</b>		4	Red.	Replaced by nun from Dec. 14 to Apr. 21.	<b>06/03</b>
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11390	-Junction Lighted Buoy AL	45 02 54 N 83 24 06 W	<b>Fl (2+1) R 6s</b>		4	Red with green band.	Replaced by nun from Dec. 1 to Apr. 28. *	<b>06/03</b>
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**\*Delete Heading:**

**\*RAINY RIVER (Chart 14999)**

**Four Mile Bay**

17073	-Lighted Buoy 1	48 52 12 N 94 41 36 W	<b>Fl G 4s</b>		4	Green.		<b>06/03</b>
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18350	Pyramid Point Shoal Lighted Buoy 5 Marks north side of Shoal.	45 00 00 N 85 55 37 W	FI G 4s		4	Green.	Replaced by can from Nov. 14 to Apr. 14.
		*					06/03
18360	South Manitou Island Shoal Lighted Gong Buoy 8	44 57 26 N 86 10 03 W	FI R 4s		5	Red.	Replaced by can from Nov. 14 to Apr. 14.
		*					06/03
18365	Sleeping Bear Lighted Bell Buoy 7	44 54 05 N 86 09 57 W	FI G 4s		5	Green.	Replaced by can from Nov. 14 to Apr. 14.
		*					06/03
18415	-NORTH PIERHEAD LIGHT	44 21 36 N 86 16 06 W	FI G 4s	32 11	5	White cylindrical tower with green band. 20	
				*			06/03
<b>*Remove Heading</b>							
<b>*Suttons Bay</b>							
18425	-INNER LIGHT		FI R 6s	27 8	4	TR on post.	
							06/03
<b>*Change Heading</b>							
<b>*Lights maintained from Apr. 15 to Dec. 12.</b>							
18785	-Light 1	43 13 18 N 86 17 42 W	Q G			SG on pile.	Private aid.
							06/03
19335	MIDDLE GROUND LIGHT 3 Marks southeast side of shoal.		FI G 4s	23 10	4	SG on column on cylindrical base. 18	
				*			06/03
19340	DRAKE POINT LIGHT 4 Marks north side of shoal.		FI R 4s	23 10	4	TR on column on cylindrical base. 18	
				*			06/03
19625	Indiana Shoal Lighted Gong Buoy 2 Marks northeast side of shoals.	41 43 26 N 87 20 53 W	FI R 4s		4	Red.	Maintained from Mar. 28 to Dec. 14.
		*					06/03
19790	-Northeast Shoal Lighted Buoy 2 Marks east side of shoal.	41 45 36 N 87 28 02 W	FI R 4s		5	Red.	RACON: C(— • — •). Replaced by nun from Dec. 14 to Mar. 28.
		*					06/03
19795	-East Shoal Lighted Buoy 4	41 43 59 N 87 28 14 W	FI R 6s		5	Red.	Replaced by nun from Dec. 14 to Mar. 28.
		*					06/03
19800	-Harbor Breakwater South End Light	41 43 34 N 87 29 36 W	Al WR 10s 0.2s W fl 4.8s ec. 0.2s R fl 4.8s ec.	50 12	W 17 R 14	White square skeleton tower with red band. Lower half open.	HORN: 1 blast ev 15s (2s bl). Operates continuously from Apr. to Dec.
				*	*		06/03
19810	-Harbor Lighted Buoy 1	41 43 03 N 87 29 40 W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Mar. 28.
		*					06/03
19827	HARBOR BREAKWATER OBSTRUCTION LIGHT	41 44 29 N 87 30 52 W	FI Y 2.5s	28 9	8	White cylindrical tower with yellow band.	
		*					06/03
<b>*Correct Heading</b>							
<b>*Illinois Waterway (Chart 14901)</b>							
20050	-Chicago Sanitary and Ship Canal Buoy					Green can.	Maintained from Apr. 1 to Nov. 1.
							06/03
<b>*Correct Heading</b>							
<b>*Chicago North Side (Chart 14928)</b>							
20055	NORTH AVENUE JETTY LIGHT	41 54 54 N 87 37 12 W	Q R	38 12		On skeleton tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
							06/03

**\* Change Heading and Add Note:**

**\* Northpoint Marina**

\* Aids to navigation maintained from Apr. 1 to Nov. 1.

20386	- Reef Obstruction Lighted Buoy A	42 28 49 N 87 47 53 W *	<b>Q W</b>			White can with orange bands and diamond worded REEF.	Private aid.	<b>06/03</b>
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**\* Delete Heading and Note:**

**\* Northpoint Marina**

\* Aids to navigation maintained from Apr. 1 to Nov. 1.

20390	- ENTRANCE LIGHT 1	42 29 18 N 87 47 54 W	<b>FI G 4s</b>	20 6		SG on post.	Private aid.	<b>06/03</b>
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20250	Wilmette Wreck Lighted Bell Buoy WR 2	42 05 41 N 87 38 58 W *	<b>Q R</b>	4	Red.		Replaced by nun from Dec 14 to Mar. 28.	<b>06/03</b>
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20255	Grossepont Outer Lighted Bell Buoy4 Marks shoal.	42 08 14 N 87 35 17 W *	<b>FI R 6s</b>	5	Red.		Replaced by nun from Dec 14 to Mar. 28.	<b>06/03</b>
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20330	-Shoals Lighted Buoy 3 Marks northeast side of shoal.	42 21 40 N 87 47 54 W *	<b>FI G 2.5s</b>	5	Green.		Can; winter marker. Maintained from Mar. 21 to Dec. 1.	<b>06/03</b>
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20485	-Reef West End Lighted Buoy 1	42 43 33 N 87 46 01 W *	<b>FI G 4s</b>	4	Green.		Replaced by can from Dec. 7 to Mar. 21.	<b>06/03</b>
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20610	Wind Point North Shoal Lighted Buoy 14 Marks southeast side of shoals.	42 47 34 N 87 43 35 W *	<b>FI R 4s</b>	4	Red.		Replaced by nun from Dec. 7 to Mar. 21.	<b>06/03</b>
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20645	-BREAKWATER ENTRANCE SOUTH SIDE LIGHT		<b>FI G 2.5s</b>	48 10 *	6	White cylindrical tower with green band.		<b>06/03</b>
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20805	- GENERATING STATION SOUTH INTAKE CRIB LIGHT 6	43 42 56 N 87 41 58 W *	<b>FI R 3s</b>	46 14		TR on skeleton tower on cylindrical well.	Private aid.	<b>06/03</b>
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20810	- GENERATING STATION MIDDLE INTAKE CRIB LIGHT 4 *		<b>FI R 10s</b>	50 15		TR on rectangular tower.	Private aid.	<b>06/03</b>
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20815	- Generating Station North Intake Lighted Buoy 2	43 43 02 N 87 42 01 W *	<b>FI R 4s</b>			Red.	Maintained from May 1 to Oct. 15. Private aid.	<b>06/03</b>
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21010	-Lighted Buoy 2	44 46 44 N 87 17 25 W *	<b>FI R 2.5s</b>		4.	Red.	Replaced by nun fro Dec. 1 to Apr. 21.	<b>06/03</b>
*	*	*	*	*	*	*	*	

21145	-Lighted Buoy 18	44 49 44 N 87 22 33 W *	<b>FI R 4s</b>		4	Red.	Replaced by nun from Nov. 21 to Apr. 21.	<b>06/03</b>
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21300	Porte Des Morts Entrance Lighted Bell Buoy	45 13 53 N 86 53 54 W *	<b>Mo (A) W</b>		4	Red and white stripes.	Maintained from Apr. 21 to Dec. 1.	<b>06/03</b>
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21320	-Outer Shoal Buoy 1 Marks east side of shoal.	45 13 58 N 86 55 29 W				Green can.	Maintained from Apr. 21 to Dec. 1. *	<b>06/03</b>
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21335	Waverly Shoal Lighted Bell Buoy 5 Marks northeast side of shoal.	45 17 07 N 86 56 43 W *	<b>FI G 2.5s</b>		4	Green.	Replaced by can from Dec. 1 to Apr. 21.	<b>06/03</b>
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21900	Chambers Island West Shoal Lighted Bell Buoy 3	45 10 48 N 87 24 23 W *	<b>FI G 2.5s</b>		4	Green.	Replaced by can from Dec. 1 to Apr. 21.	<b>06/03</b>
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22145	-Lighted Buoy 9	44 37 22 N 87 55 33 W *	<b>FI G 4s</b>		4	Green.	Replaced by can from Dec. 1 to Apr. 21.	<b>06/03</b>
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22272	- ENTRANCE LIGHT 1	44 32 21 N 88 00 12 W	<b>F G</b>	11 <b>3</b>		SG on pile.	Private aid.	<b>06/03</b>
*	*	*	*	*	*	*	*	
22273	- ENTRANCE LIGHT 2	44 32 20 N 88 00 12 W	<b>F R</b>	11 <b>3</b>		TR on pile.	Private aid.	<b>06/03</b>
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**IX. ENCLOSURES**

- (1) Tabulations – Chart 14850, 14852, and 14853
- (2) U.S. Coast Pilot 6 31<sup>st</sup> Edition Changes 26
- (3) Chartlet Two Harbors, MN

Ronald F. Silva  
Rear Admiral, U. S. Coast Guard  
Commander, Ninth Coast Guard District

## CHART 14850

ST. CLAIR RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO MAY 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ST. CLAIR CUTOFF	23.3	26.9	25.6	17.7	9-96; 4,5-01	700	5.3	27
SOUTHEAST BEND	27.1	27.1	27.1	27.6	10-94; 6-97; 5-00	700	1.0	27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	27.6	26.2A	7-94; 6-97; 5-00	700-1000	4.3	27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.3	25.9C	8,9-93; 6-97; 5-00	1000	3.6	27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000	4.3	27
A. SHOALING TO 18.0 FEET IN OUTSIDE 30 FEET OF QUARTER.								
B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W.								
C. SHOALING TO 6.9 FEET IN OUTSIDE 50 FEET OF QUARTER.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

## CHART 14852

ST. CLAIR RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO SEP 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ST. CLAIR CUTOFF	23.3	26.9	25.6	17.7	9-96; 4,5-01	700	5.3	27
SOUTHEAST BEND	27.1	27.1	27.1	27.6	10-94; 6-97; 5-00	700	1.0	27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	27.6	26.2A	7-94; 6-97; 5-00	700-1000	4.3	27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.3	25.9E	8,9-93; 6-97; 5-00	1000	3.6	27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000	4.3	27
ST. CLAIR TO STAG I.	24.4C	27.3	26.4	24.2	11-93; 5-99; 7,9-01	900-1000	4.3	27
STAG I. TO SARNIA	20.7D	27.4	27.2	25.9	9,10-96; 5,6-99; 7,8,9-01	1000-1400	7.9	27
A. SHOALING TO 18.0 FEET IN OUTSIDE 30 FEET OF QUARTER.								
B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W.								
C. SHOALING TO 14.5 FEET AT 42°53'45.0"N, 82°28'21.0"W. AND 21.8 FEET AT 42°49'43.3"N, 82°29'00.5"W.								
D. SHOALING TO 14.1 FEET AT 42°58'19.0"N, 82°25'08.5"W. AND 19.8 FEET AT 42°58'17.2"N, 82°25'09.4"W.								
E. SHOALING TO 6.9 FEET IN OUTSIDE 50 FEET OF QUARTER.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

## CHART 14853

ST. CLAIR RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO SEP 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ST. CLAIR CUTOFF	23.3	26.9	25.6	17.7	9-96; 4,5-01	700	5.3	27
SOUTHEAST BEND	27.1	27.1	27.1	27.6	10-94; 6-97; 5-00	700	1.0	27
SOUTHEAST BEND TO RUSSELL I.	21.4	26.9	27.6	26.2A	7-94; 6-97; 5-00	700-1000	4.3	27
RUSSELL I. TO LT BY "37"	22.6B	26.6	27.3	25.9E	8,9-93; 6-97; 5-00	1000	3.6	27
LT BY "37" TO MARINE CITY	24.9	27.3	27.3	25.1	7-94; 9-96	1000	4.3	27
ST. CLAIR TO STAG I.	24.4C	27.3	26.4	24.2	11-93; 5-99; 7,9-01	900-1000	4.3	27
STAG I. TO SARNIA	20.7D	27.4	27.2	25.9	9,10-96; 5,6-99; 7,8,9-01	1000-1400	7.9	27
A. SHOALING TO 18.0 FEET IN OUTSIDE 30 FEET OF QUARTER.								
B. SHOALING TO 20.8 FEET AT 42°38'45.0"N, 82°30'44.0"W.								
C. SHOALING TO 14.5 FEET AT 42°53'45.0"N, 82°28'21.0"W. AND 21.8 FEET AT 42°49'43.3"N, 82°29'00.5"W.								
D. SHOALING TO 14.1 FEET AT 42°58'19.0"N, 82°25'08.5"W. AND 19.8 FEET AT 42°58'17.2"N, 82°25'09.4"W.								
E. SHOALING TO 6.9 FEET IN OUTSIDE 50 FEET OF QUARTER.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								



# CHART 14853a

TRENTON CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 1994							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ENTRANCE TO LT BY "16"	20.1	26.5	21.1	11-94	300-720	2.17	27
LT BY "16" TO LT BY "28"	26.8	27.0	23.9	11-94	300-680	2.17	27
LT BY "28" TO 800ft S. OF GROSSE ILE BRIDGE	25.4	26.8	22.8	11-94	300-520	1.31	27
800ft S. OF GROSSE ILE BRIDGE TO LT BY "19"	28.0	27.7	8.9	11-94	300-480	.56	28
LT BY "19" TO END OF TURNING BASIN	27.4	27.8	11.8	11-94	250-800	.38	28
END OF TURNING BASIN TO LT BY "5"	20.2	20.7	14.0	11-94	250-300	1.97	21
LT BY "5" TO END	13.1	17.6	15.2	11-94	140-1000	.51	21
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

# CHART 14853b

RIVER ROUGE CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2000							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
SHORT CUT CANAL							
ENTRANCE TO WEST JEFFERSON AVE. BRIDGE	20.4	22.7	13.2	4-00	100-400	1.08	21
WEST JEFFERSON AVE. BRIDGE TO I-75 BRIDGE	18.0	21.3	17.2	4-00	100-200	.74	21
I-75 BRIDGE TO DIX AVE. BRIDGE	14.3	18.9	16.6	4-00	100-200	.91	21
DIX AVE. BRIDGE TO END	16.4	19.9	16.6	4-00	100-800	.25	21
OLD CHANNEL							
ENTRANCE TO 42°17'19.9"N 83°06'27.5"W	22.9	25.5	17.6	4-00	100-300	.25	25
42°17'19.9"N 83°06'27.5"W TO 42°17'23.2"N 83°06'46.0"W	14.9	19.5	12.3	4-00	100	.27	18
42°17'23.2"N 83°06'46.0"W TO RR SWING BRIDGE	13.3	19.3	9.7	4-00	100	.29	17
RR SWING BRIDGE TO SHORT CUT CANAL	14.2	15.4	10.4	4-00	100-600	.76	17
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

# Chart 14853

DETROIT RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS AND PUBLIC WORKS CANADA - SURVEYS TO JUL 2002								
CONTROLLING DEPTHS FROM LAKE ERIE IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
FIGHTING ISLAND CHANNEL	21.9	28.1	27.1	22.6	6-99	800	4.7	28.5
BALLARDS REEF CHANNEL	23.3	27.9	27.9	22.9A	4-97; 4-99; 7-00; 7-02	600	3.5	28.5
LIVINGSTONE CHANNEL FROM LT "D77" TO 42°05'35"N 83°07'45"W	21.7B	26.9	27.5	21.0C	5-96; 6,7-00; 6-02	450	3.1	27.7
LIVINGSTONE CHANNEL FROM 42°05'35"N 83°07'45"W TO 42°04'07"N 83°07'56"W	13.8	27.9	27.9	20.3	6-02	450	1.7	27.7
LIVINGSTONE CHANNEL FROM 42°04'07"N 83°07'56"W TO 42°03'08"N 83°08'05"W	21.3	28.8	28.8	20.0	6-02	450-800	1.1	27.7
LIVINGSTONE CHANNEL FROM 42°03'08"N 83°08'05"W TO LT "D30"	23.0	28.8	28.8	26.0	7-02	800	1.7	28.5
AMHERSTBURG CHANNEL FROM LT "D71" TO LT BUOY "D56"	26.9D	26.9	20.6	19.3	5-02	600	2.4	RT HALF 21.0 LT HALF 27.5
AMHERSTBURG CHANNEL FROM LT BUOY "D56" TO LT "D30"	25.6	25.9E	20.3	19.7	6,7-01; 7-02	400-700	4.5	RT HALF 21.0 LT HALF 27.5
LIVINGSTONE CHANNEL FROM LT "D30" TO 42°00'20"N 83°08'25"W	20.3	28.7	29.5	25.9	7-96; 7-02	1200	1.5	29.0
A. SHOALING TO 13.1 FEET IN THE OUTSIDE 50 FEET OF QUARTER B. SHOALING TO 4.2 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER C. SHOALING TO 4.8 FEET IN THE OUTSIDE 30 FEET OF THE U.S. PORTION OF QUARTER D. SHOALING TO 17.0 FEET IN THE OUTSIDE 20 FEET OF QUARTER E. SHOALING TO 21.3 FEET IN THE INSIDE 50 FEET OF QUARTER  NOTE: CONSULT THE U.S. ARMY CORPS OF ENGINEERS FOR SUBSEQUENT CHANGES IN U.S. WATERS AND THE CANADIAN HYDROGRAPHIC SERVICE FOR CHANGES IN CANADIAN WATERS								

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Coast Pilot 6 32<sup>nd</sup> Ed 2002

Corrections

Page 189-Paragraph 547, lines 7-12; read:

the entrance channel. In September 2002, the entrance channel was shoal to bare. An overhead power cable with a reported ...

(CL 2072/02; BP 179440)

